THOMSON MULTI MEDIA

Brandt FERGUSON SABA **TELEFUNKEN** **THOMSON**

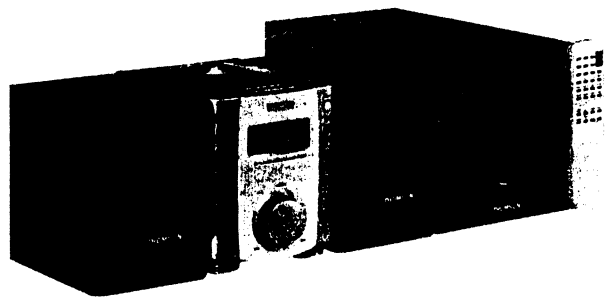
AUDIO

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

THOMSON ALTIMA micro 1600
ALTIMA micro 1600 U

Version (PC*) : A

*PC : The version code is indicated either in the battery compartment or on the back of the unit - Ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC : Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - Il codice della versione è indicato nel vano batterie o sul retro dell'apparecchio - El código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set : **Type d'appareil :** **Geräteart :** **Tipo d'apparecchio :** **Tipo de aparato :**	Compact disc player / Radio Lecteur de disques audio-numérique / Radio Compact Disc-Spieler / Radio Lettore CD / Radio Tocadiscos laser / Radio	↔ 145 mm ↕ 168 mm ↙ 250 mm 3,2 kg	
Power supply : **Alimentation :** **Stromversorgung :** **Alimentazione :** **Alimentación :**	230 V ~ 50Hz 9 V ⎓	**Nominal output power :** **Puissance nominale de sortie :** **Nennausgangsleistung :** **Potenza nominale di uscita :** **Potencia nominal de salida :**	2 x 12,5 W (RMS)
FM - MF : **MW -PO :**	87,5 - 108 MHz 520 - 1620 kHz	**Sensitivity :** **Sensibilité :** **FM -MF :** **Empfindlichkeit :** **MW - PO :** **Sensibilità :** **Sensibilidad :**	8 µV (S/N = 26 dB) 1000 µV/m (S/N = 20 dB)
Total harmonic distorsion : **Distorsion harmonique :** **Klirrfaktor :** **Distorsión armónica :** **Distorsione armonica :**	FM : 4 % AM : 7 %	**Stereo separation :** **Diaphonie :** **Übersprechdämpfung :** **Diafonía :** **Diafonia :**	22/15 dB (1000/6300 Hz)
Disc rotation speed : **Vitesse de rotation du disque :** **CD-Drehgeschwindigkeit :** **Velocità di rotazione del disco :** **Velocidad de rotación del disco :**	200 ➡ 500 tr/m	**Frequency response :** **Courbe de réponse :** **Frequenzgang :** **Curva di risposta :** **Curva de respuesta :**	20 Hz - 20 kHz (± 2 dB)
DAD **Stereo separation :** **Diaphonie :** **Übersprechdämpfung :** **Diafonía :** **Diafonia :**	80 dB (1 kHz)	**Signal to noise ratio :** **Rapport signal / bruit :** **Geräuschspannungsabstand :** **Rapporto segnale / disturbo :** **Relación señal / ruido :**	90 dB

⚠

WARNING : *Before servicing this set read the safety recommendations.*
ATTENTION : *Avant toute intervention sur cet appareil, lire les recommandations de sécurité.*
ACHTUNG : *Bei jedem Eingriff in das Gerät, die Sicherheitsvorschriften beachten.*
ATTENZIONE : *Prima di intervenire sull'apparecchio, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 350 730 70 - 1298 / 4,1M - CRD2202 Print.

Fischer Druck+Verlag, D-38300 Wolfenbüttel

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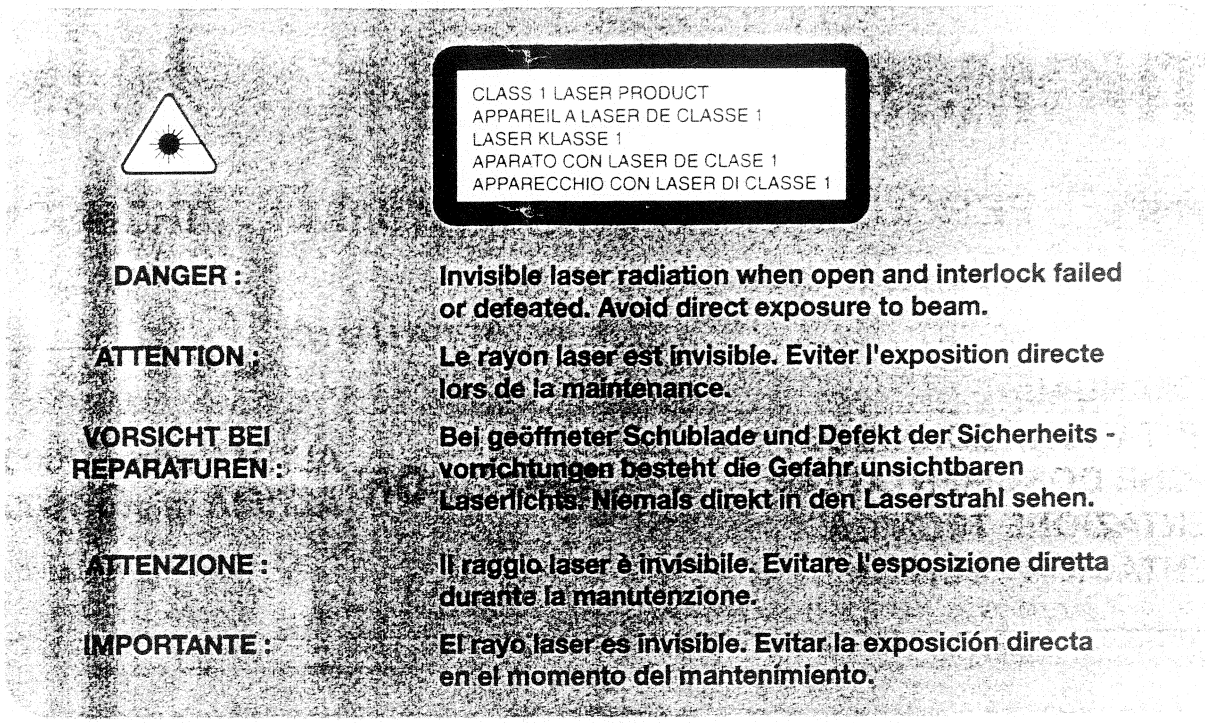
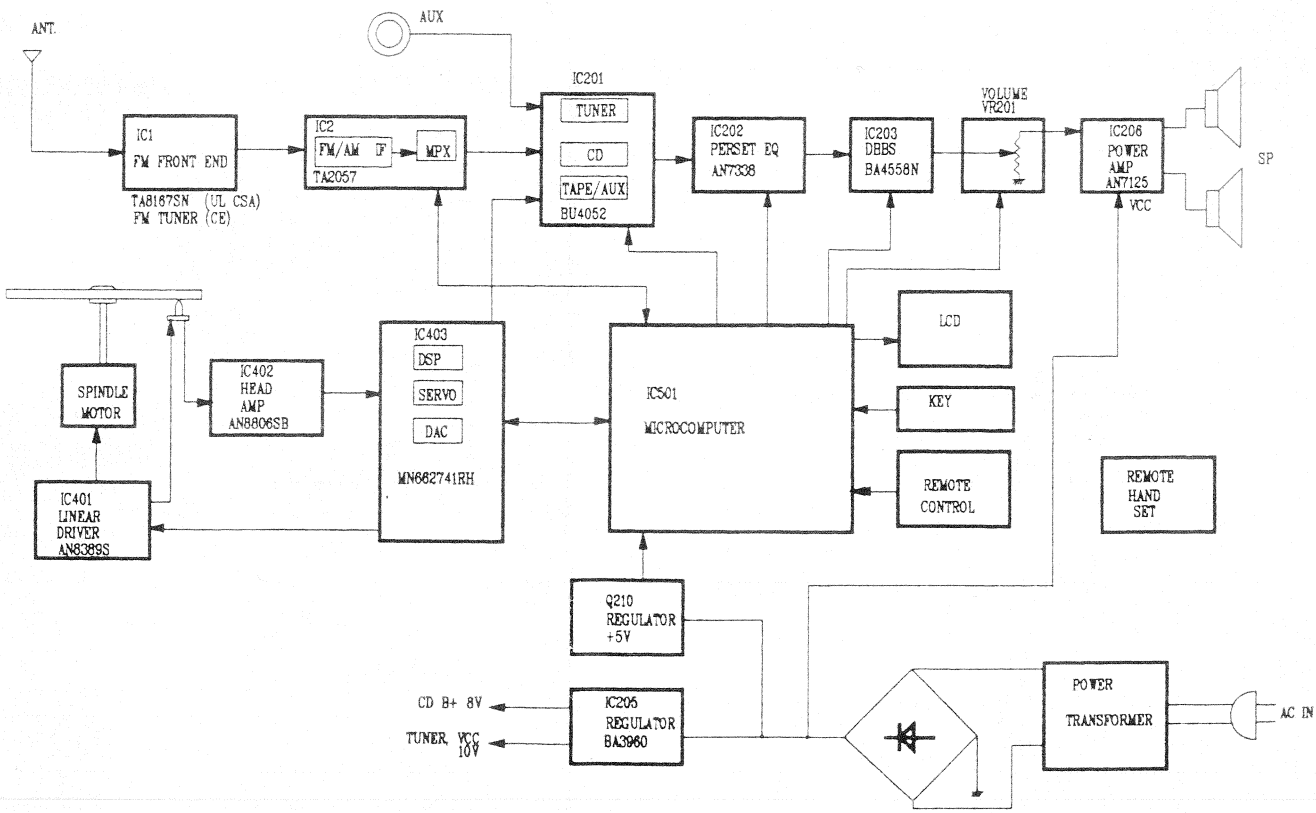
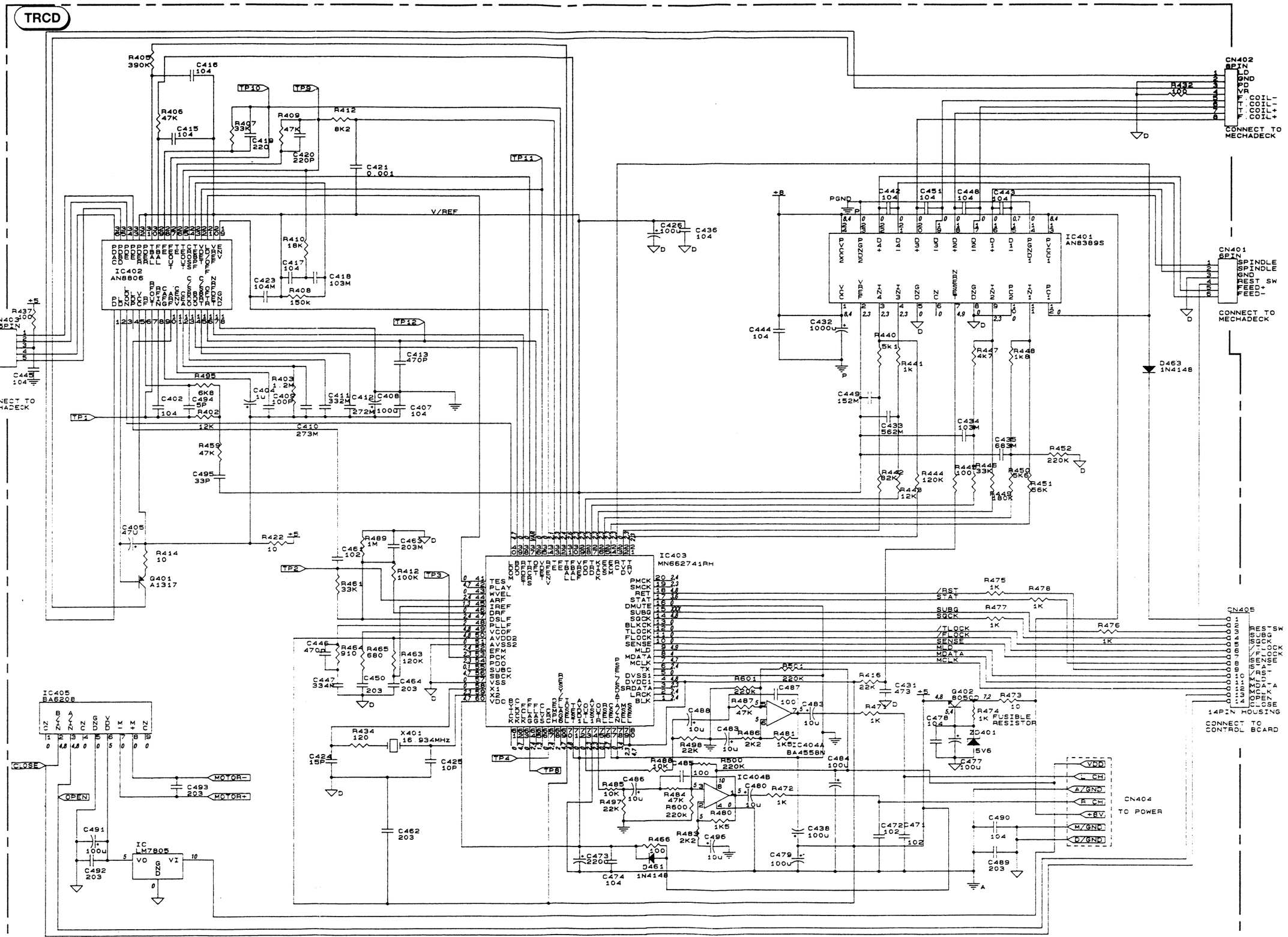

CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
LASER KLASSE 1
APARATO CON LASER DE CLASE 1
APPARECCHIO CON LASER DI CLASSE 1
DANGER :
Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
ATTENTION :
Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.
VORSICHT BEI REPARATUREN :
Bei geöffneter Schublade und Defekt der Sicherheits - vorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.
ATTENZIONE :
Il raggio laser è invisibile. Evitare l'esposizione diretta durante la manutenzione.
IMPORTANTE :
El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.

BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES



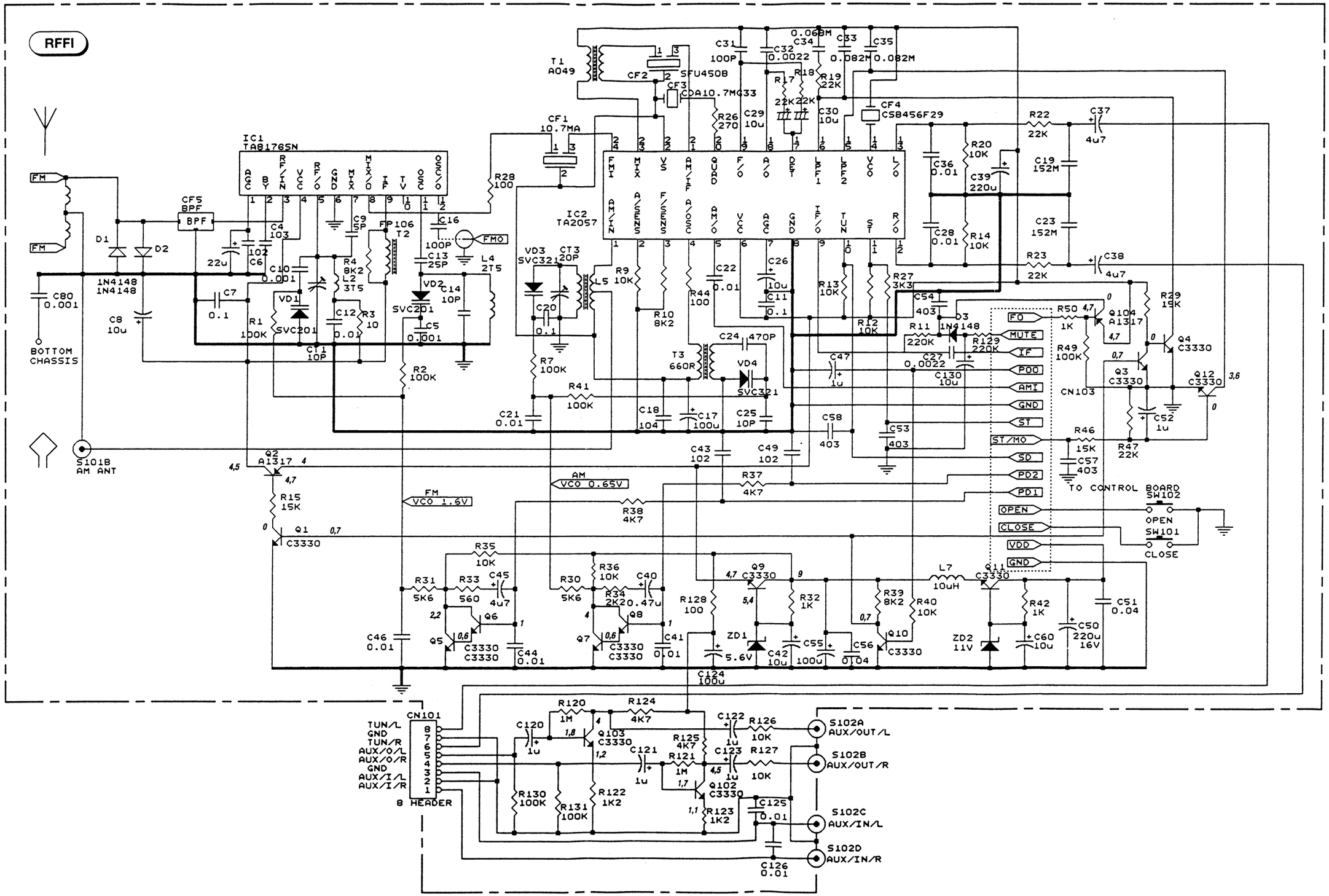
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL



CRD2202
First issue 12/98

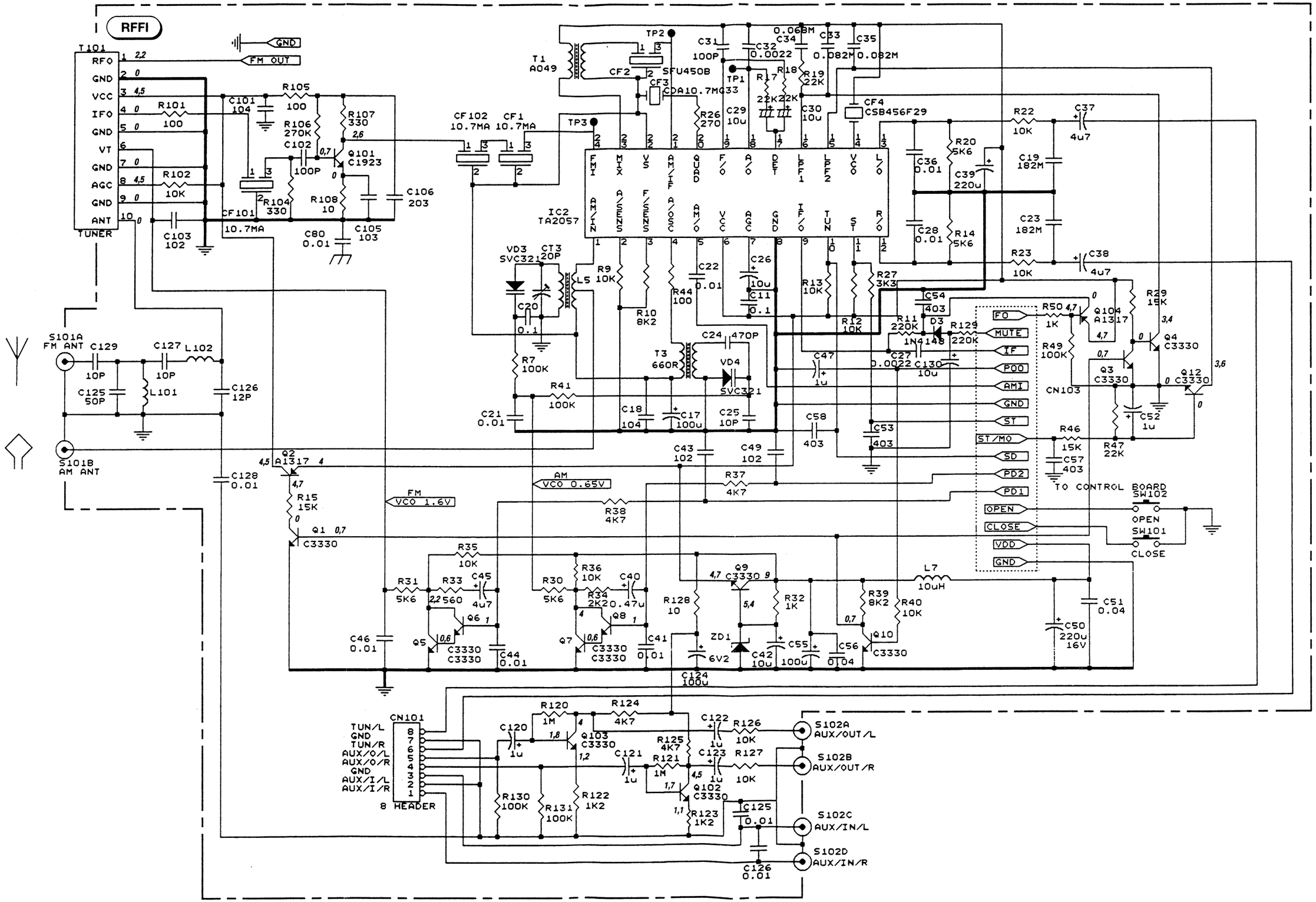
RF / FI SCHEMATIC DIAGRAM - SCHEMA HF / FI - HF / ZF SCHALTBILD - SCHEMA HF / FI - ESQUEMA RF / FI (ALTIMA MICRO 1600 U)

RFFI



CRD2202
First issue 12/98

RF / FI SCHEMATIC DIAGRAM - SCHEMA HF / FI - HF / ZF SCHALTBILD - SCHEMA HF / FI - ESQUEMA RF / FI (ALTIMA MICRO 1600)



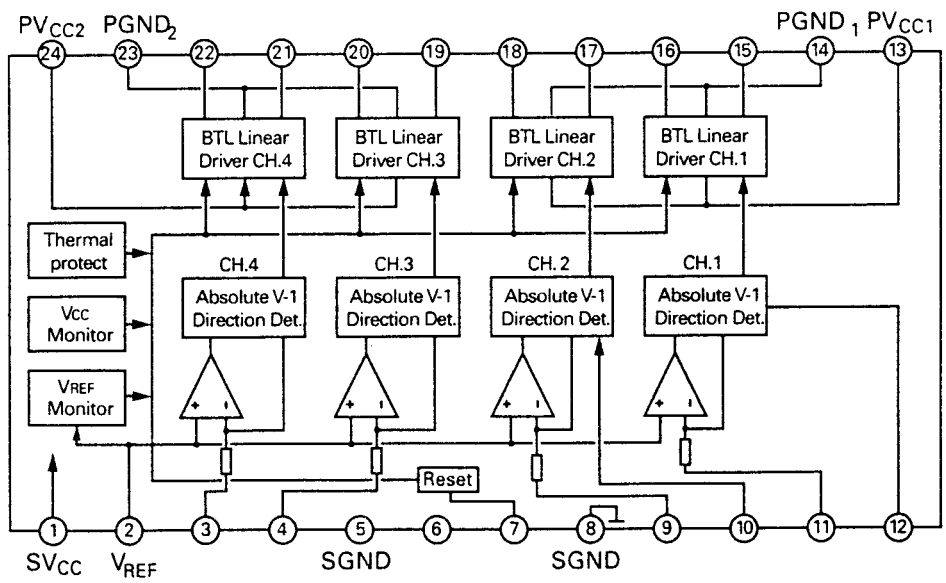
ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

FM			AM		
107 MHz	T101	TP3 max.	450 kHz	T1	TP2 max.
87,5 MHz	L10	D.V.M = 1,9 V	522 kHz	T3*	D.V.M = 0,7 V
108 MHz		D.V.M = 7,6 V± 0,5 V	1611 kHz		D.V.M = 6,8 V± 0,5 V
			600 kHz	T4	TP1 max.
			1400 kHz	CT3	TP1 max.

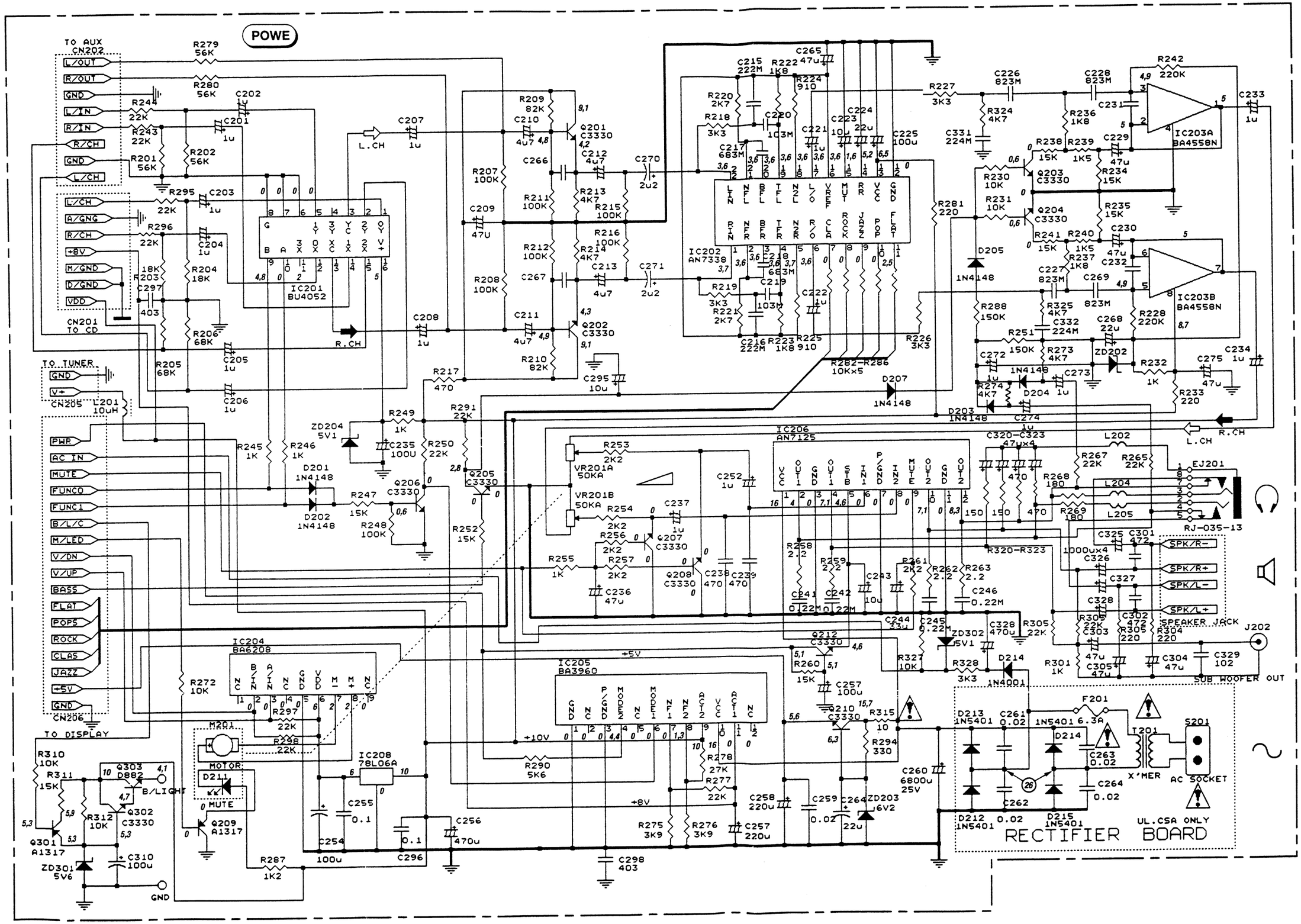
*(MW osc COIL)

IC2	FM	AM		FM	AM
1	*2*	*2*	*13*	*1,5*	*1,5*
2	0,6	0,6	14	4	4,2
3	0	0	15	3,6	3,3
4	2	2	16	3,3	3,4
5	4,7	4,4	17	1,4	1,4
6	4,7	4,7	18	–	–
7	1,2	0,5	19	1,5	1,5
8	0	0	20	1,1	1,5
9	0	0	21	2	2
10	0	0	22	2	2
11	0	4,8	23	4,7	4,7
12	1,5	1,5	24	2	2

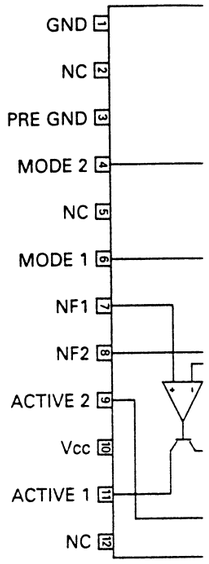
IC 401 AN 8389S

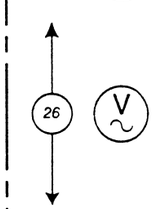


AMPLIFIER AND POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR ET DE L'ALIMENTATION - SCHALTBILD ENDVERSTÄRKER UND NETZTEIL - SCHEMA AMPLIFICATORE E ALIMENTAZIONE - ESQUEMA DEL AMPLIFICADOR Y DE LA ALIMENTACIÓN

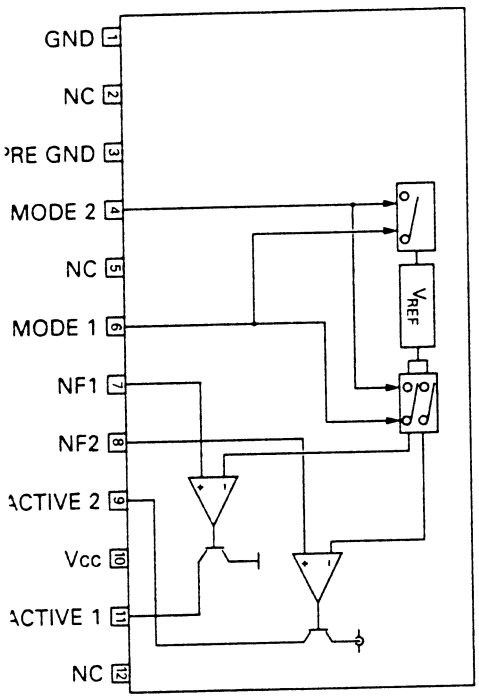


IC 205 B,

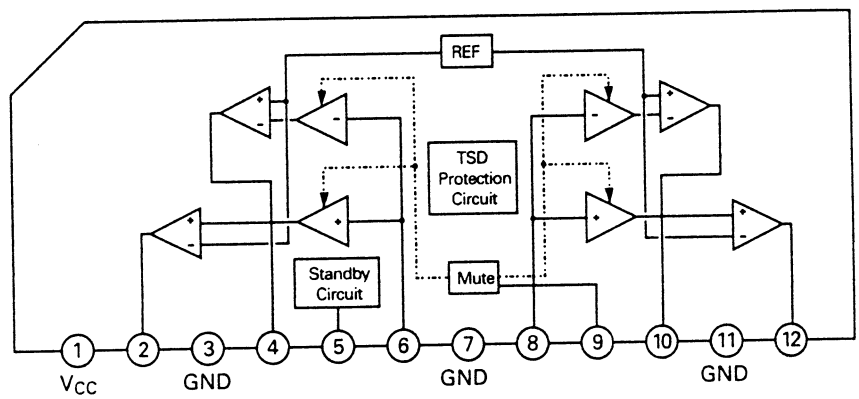




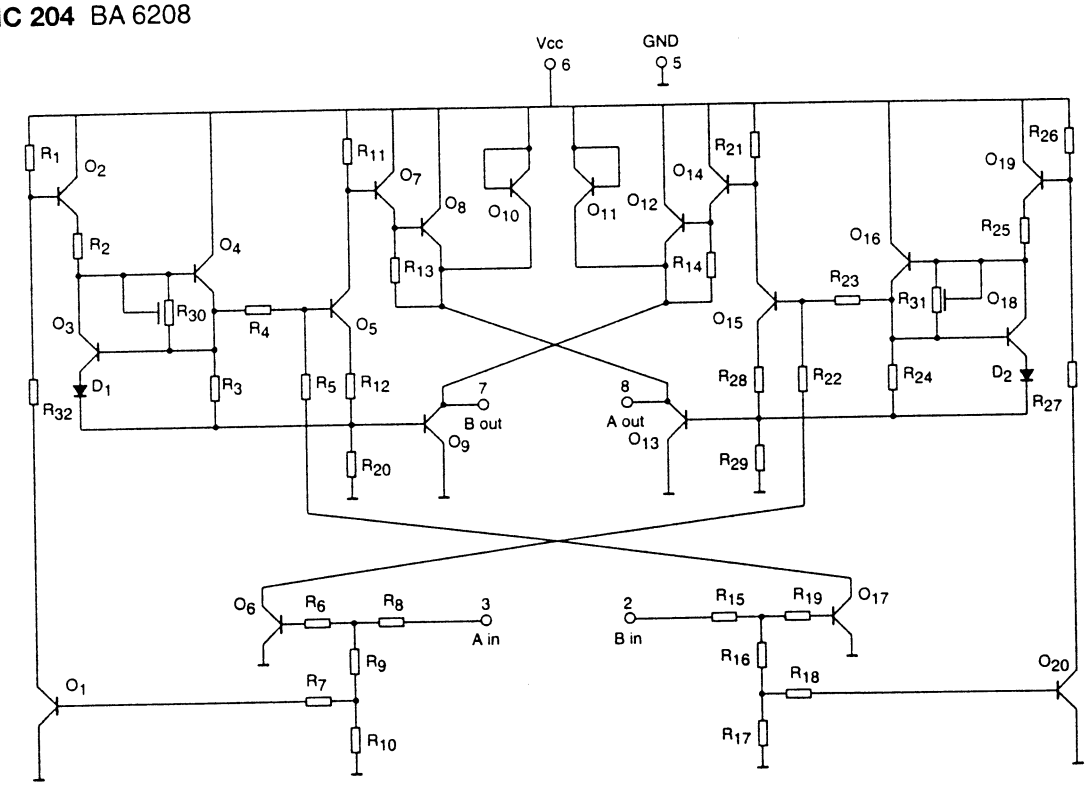
IC 205 BA 3968



IC 206 AN 7125

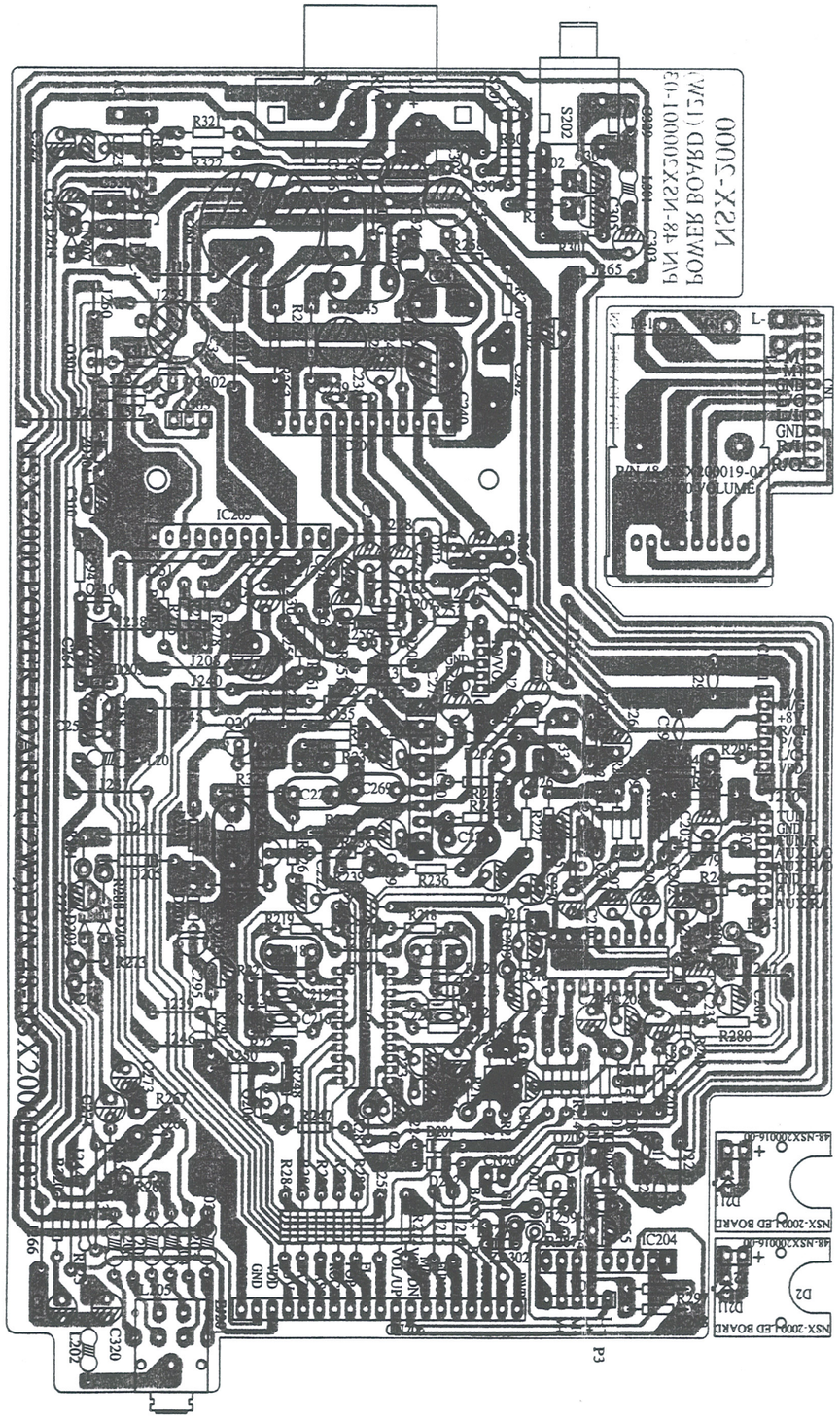


IC 204 BA 6208

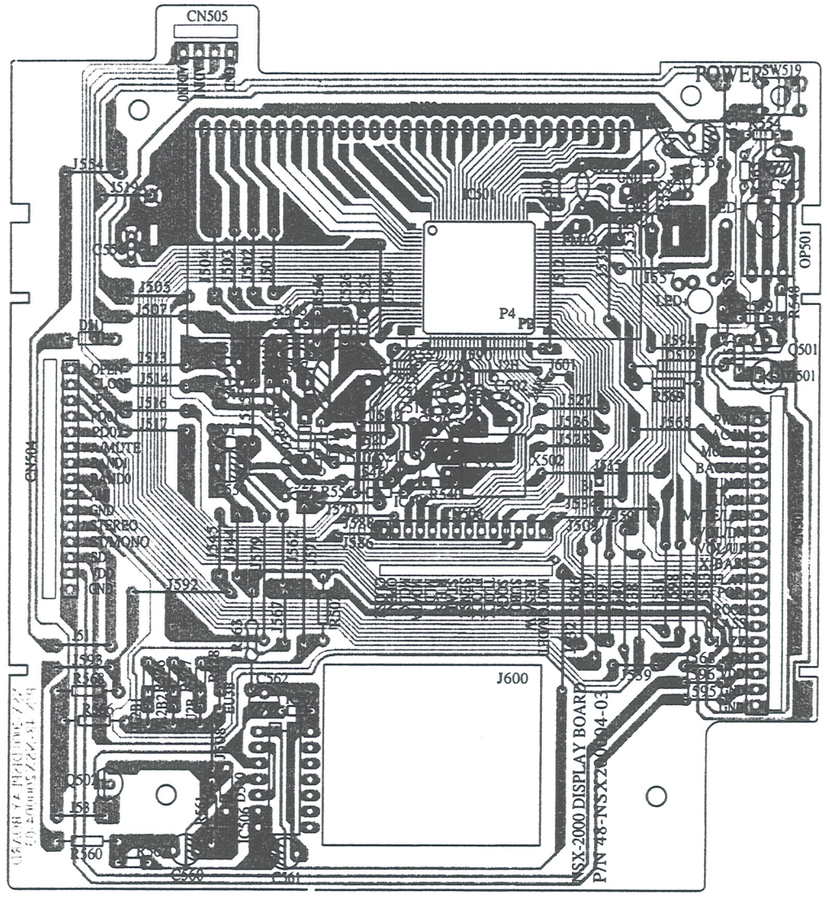


10 M

Power supply / amplifier P.C.B.
Platine alimentation / amplificateur
Ltpl. Netzteil und Endverstärker
Piastra alimentazione / amplificatore
Platina alimentación / amplificador

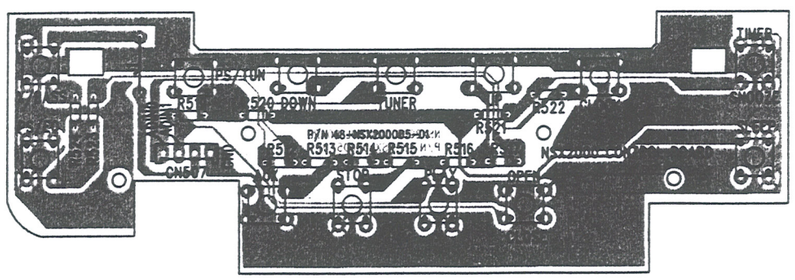


Controls / display P.C.B.
Platine commandes / afficheurs
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicadores

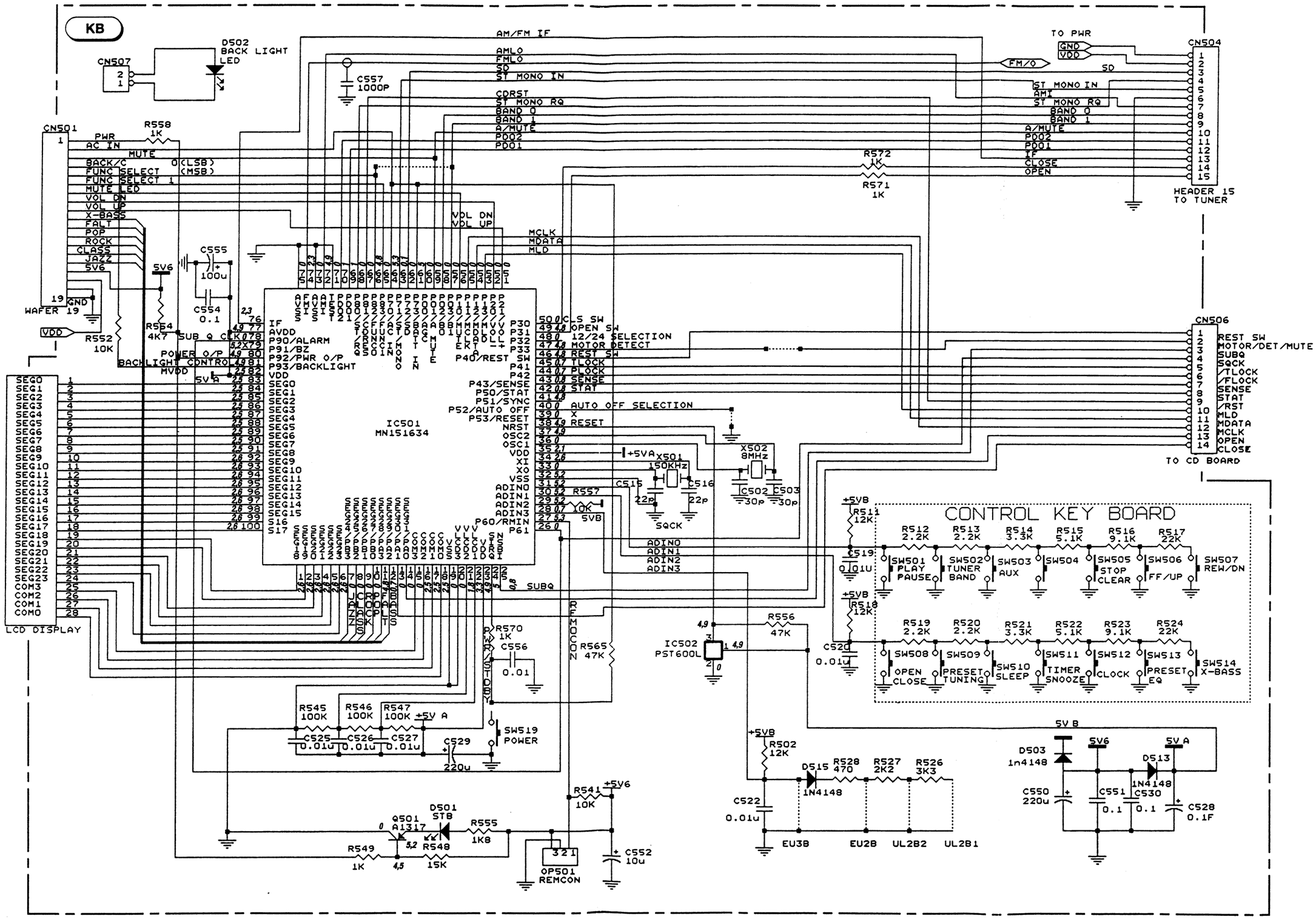


Controls P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos

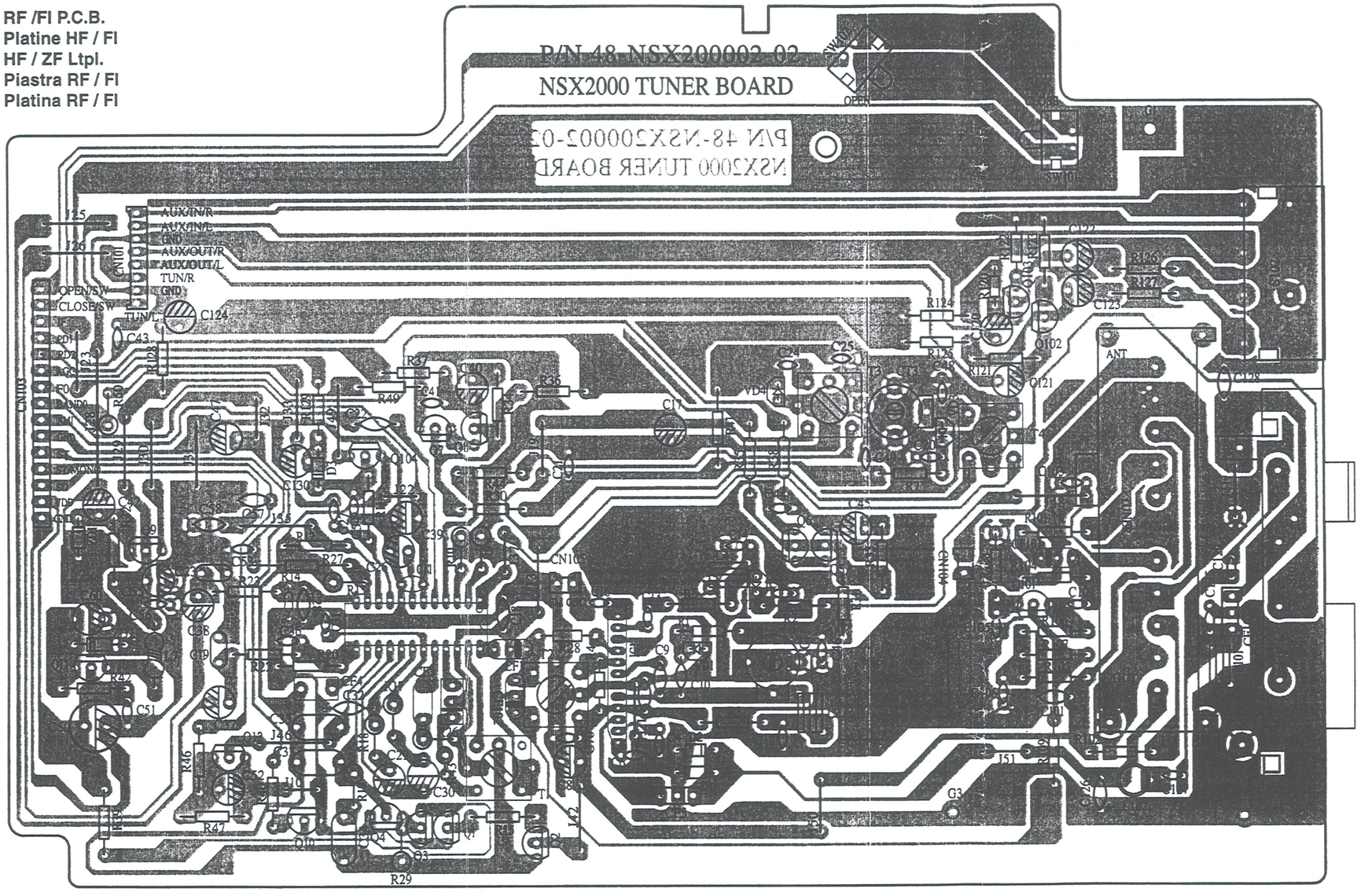
Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

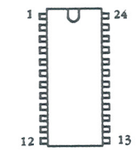


CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - BEDIENTEIL / ANZEIGE SCHALTBILD - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR

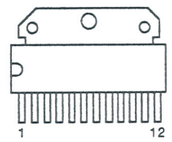


RF /FI P.C.B.
Platine HF / FI
HF / ZF Ltpl.
Piastra RF / FI
Platina RF / FI

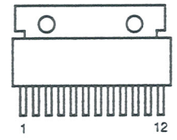




TA 2057



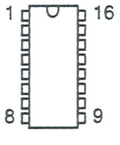
BA 3960



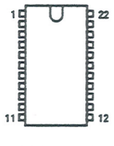
AN 7125

S 8050

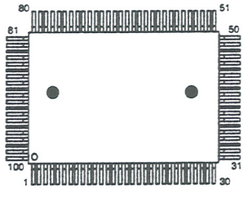
A 1317
C 3330



BU 4052

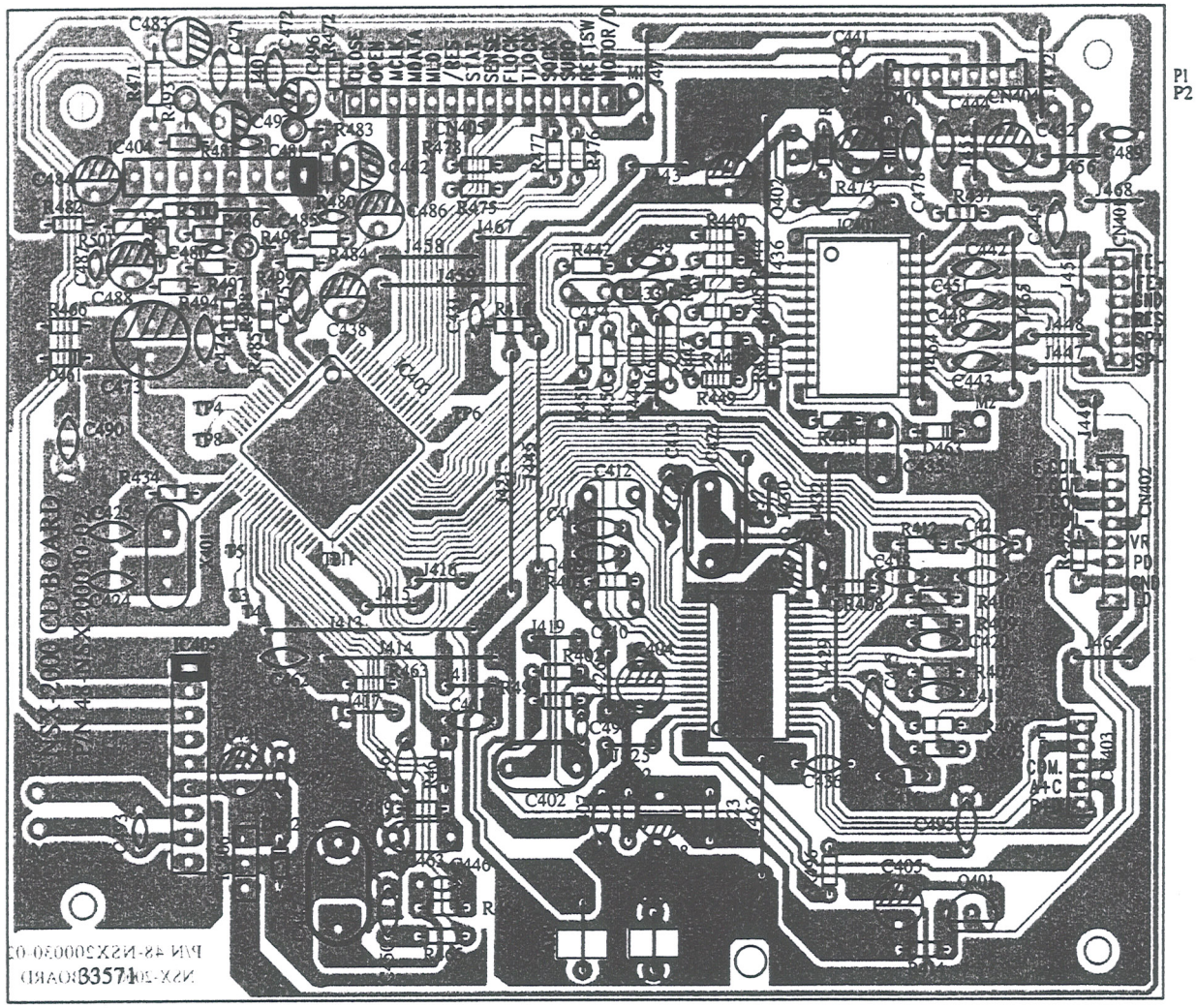


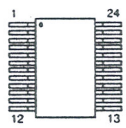
AN 7338



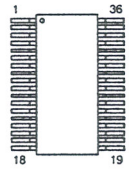
MN 151634

Controls P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos

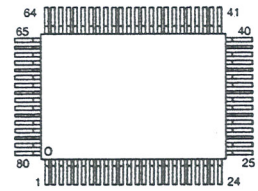




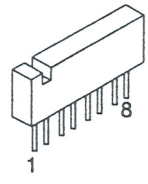
AN 8389S



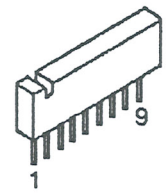
AN 8806



MN 6627 41 RM



BA 4558 N



BA 6208